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4/18/01

Docket No.: P-173

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

: **OFFICIAL DRAFTSMAN**

Seung Wook JUNG

Serial No.: 09/749,417

: Group Art Unit: 2633

Confirm. No.: 5677

Filed: December 28, 2000

For: **METHOD FOR CONTROLLING PATH IN OPTICAL TRANSMISSION  
SYSTEM**

**RECEIVED**  
APR 18 2001  
Technology Center 2600

**LETTER SUBMITTING FORMAL DRAWINGS**

Assistant Commissioner for Patents  
Washington, D. C. 20231

Sir:

Submitted herewith are fourteen (14) sheets of formal drawings (Figures 1-9) in connection with the above-identified application.

Respectfully submitted,  
FLESHNER & KIM, LLP

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703 502-9440 DKY:tmd  
**Date:** April 17, 2001

FIG. 1  
BACKGROUND ART

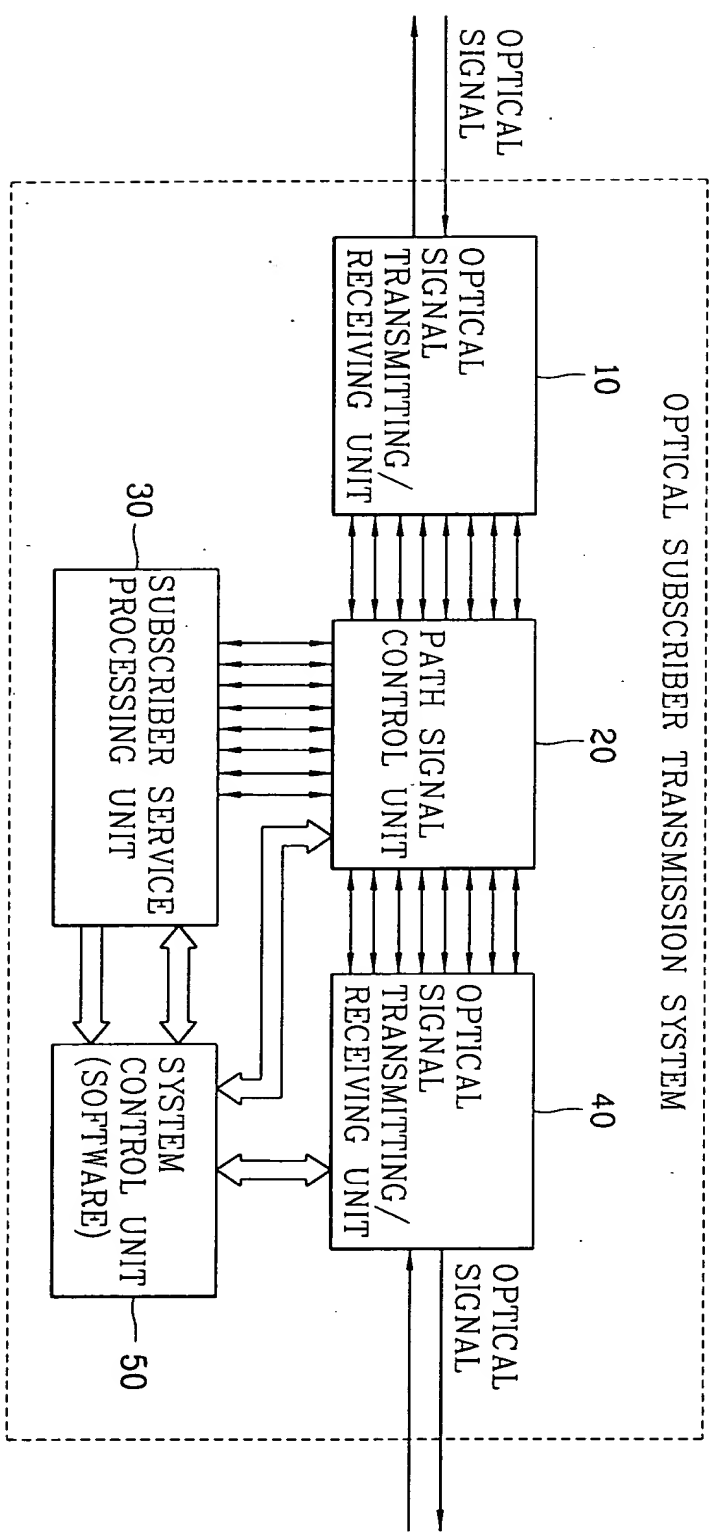
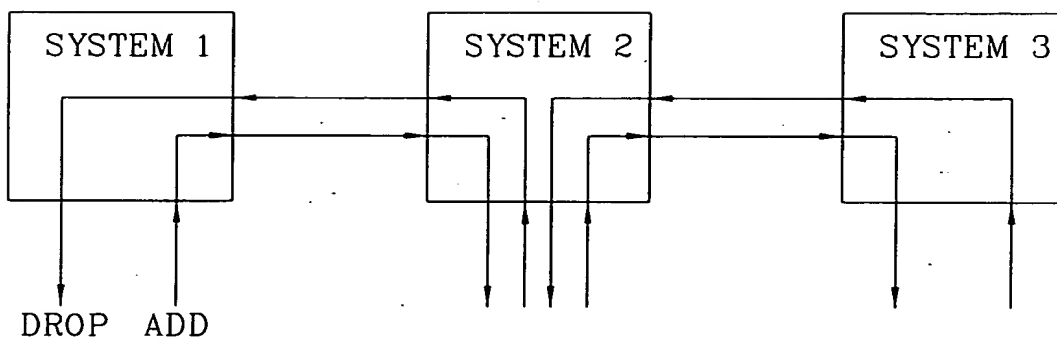


FIG. 2  
BACKGROUND ART



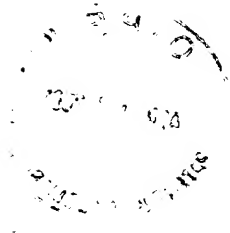
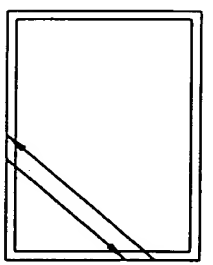
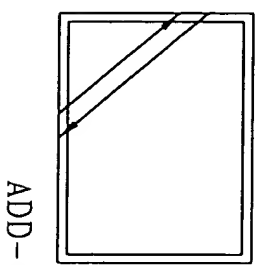
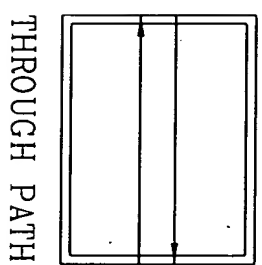
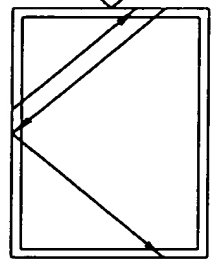
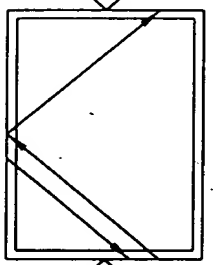
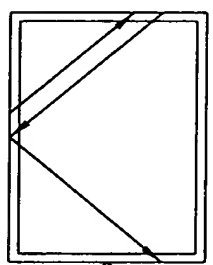
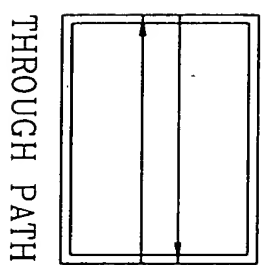


FIG. 3A  
BACKGROUND ART



ADD-DROP PATH

FIG. 3B  
BACKGROUND ART



PATH SWITCH

PATH SWITCH

RING ADD-DROP PATH

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FIG. 4A

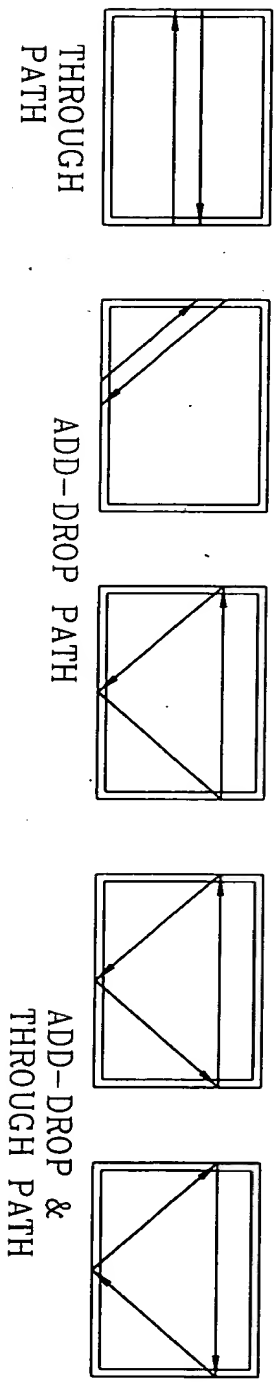


FIG. 4B

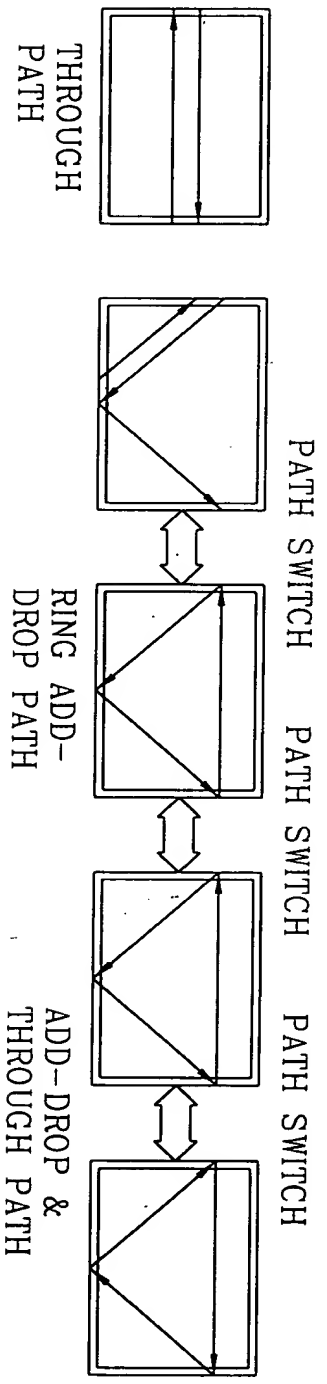


FIG. 5

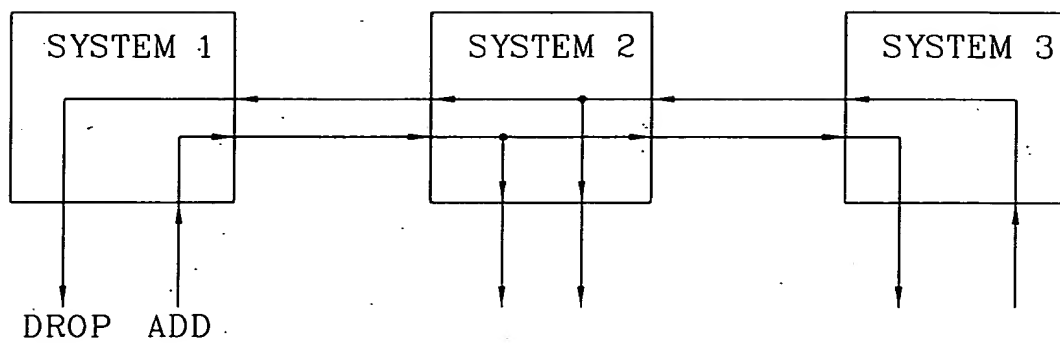
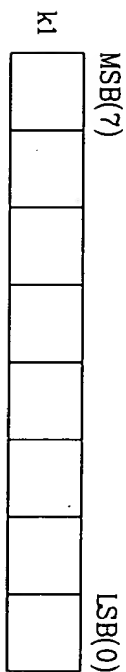


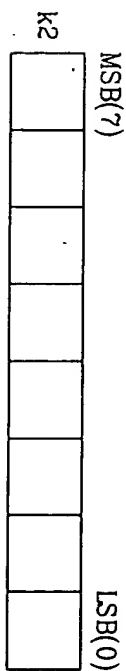
FIG. 6



Request: B1[7:4]

Destination ID: B1[3:0]

- 0000: No Request
- 0001: Reverse Request(Switch)
- 0010: Reverse Request(Round)
- 0011: reserved
- 0100: reserved
- 0101: reserved
- 0110: Manual Switch(Switch)
- 0111: reserved
- 1000: reserved
- 1001: reserved
- 1010: reserved
- 1011: Signal Fail(Switch)
- 1100: Signal Fail(Round)
- 1101: reserved
- 1110: reserved
- 1111: reserved



Status: B2[7:5]

Destination ID: B1[3:0]

- 0000: Idle
- 0001: Switch
- 0010: Round
- 0011: reserved
- 0100: reserved
- 0101: reserved
- 0110: Manual Switch
- 0111: reserved
- 1000: reserved
- 1001: reserved
- 1010: reserved
- 1011: RDI(Remote Defect Indication)(Line/Path)
- 1100: SF(Signal Fail)(Line/Path)
- 1101: reserved
- 1110: reserved
- 1111: reserved

FIG. 7

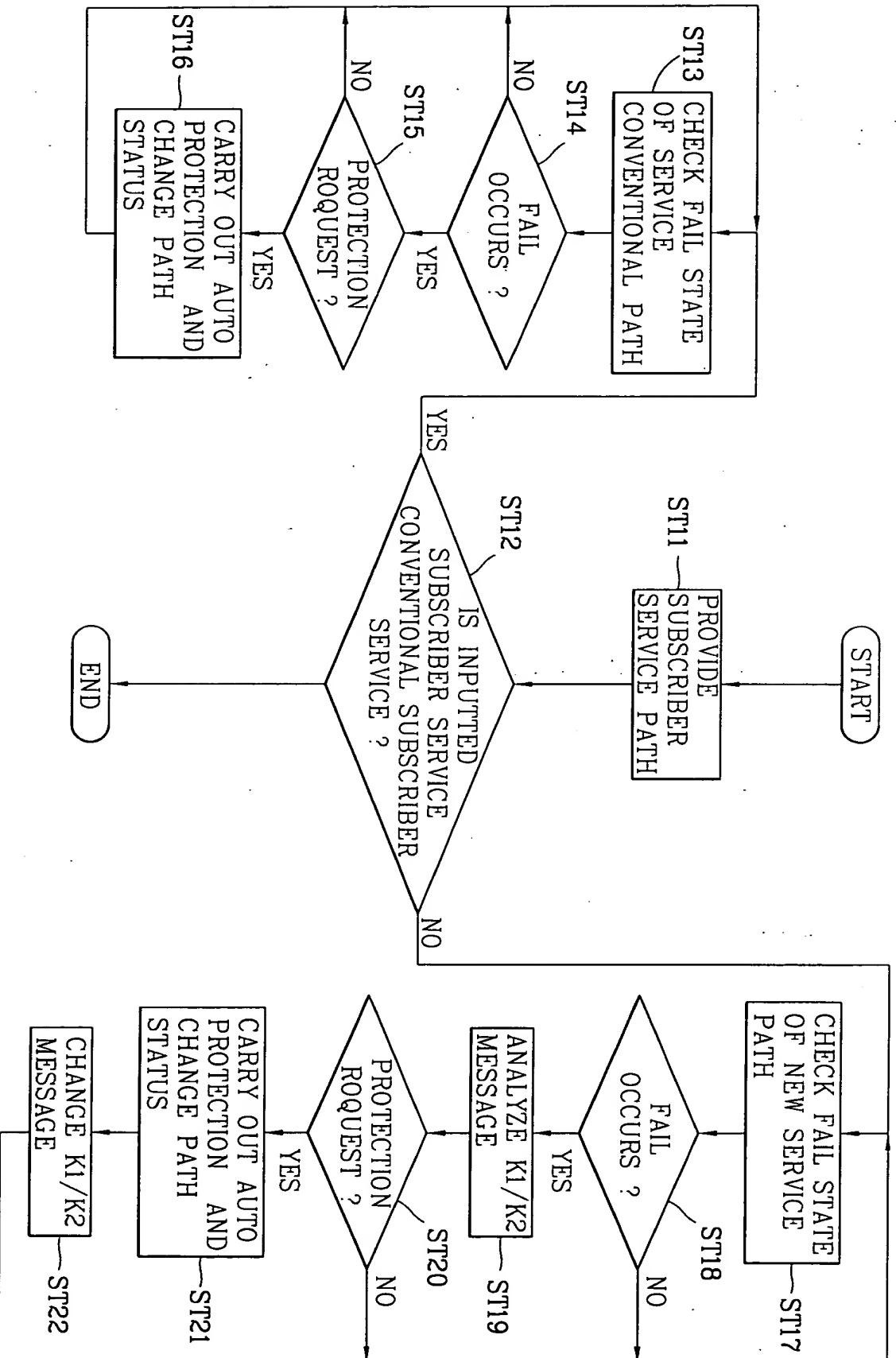




FIG. 8A

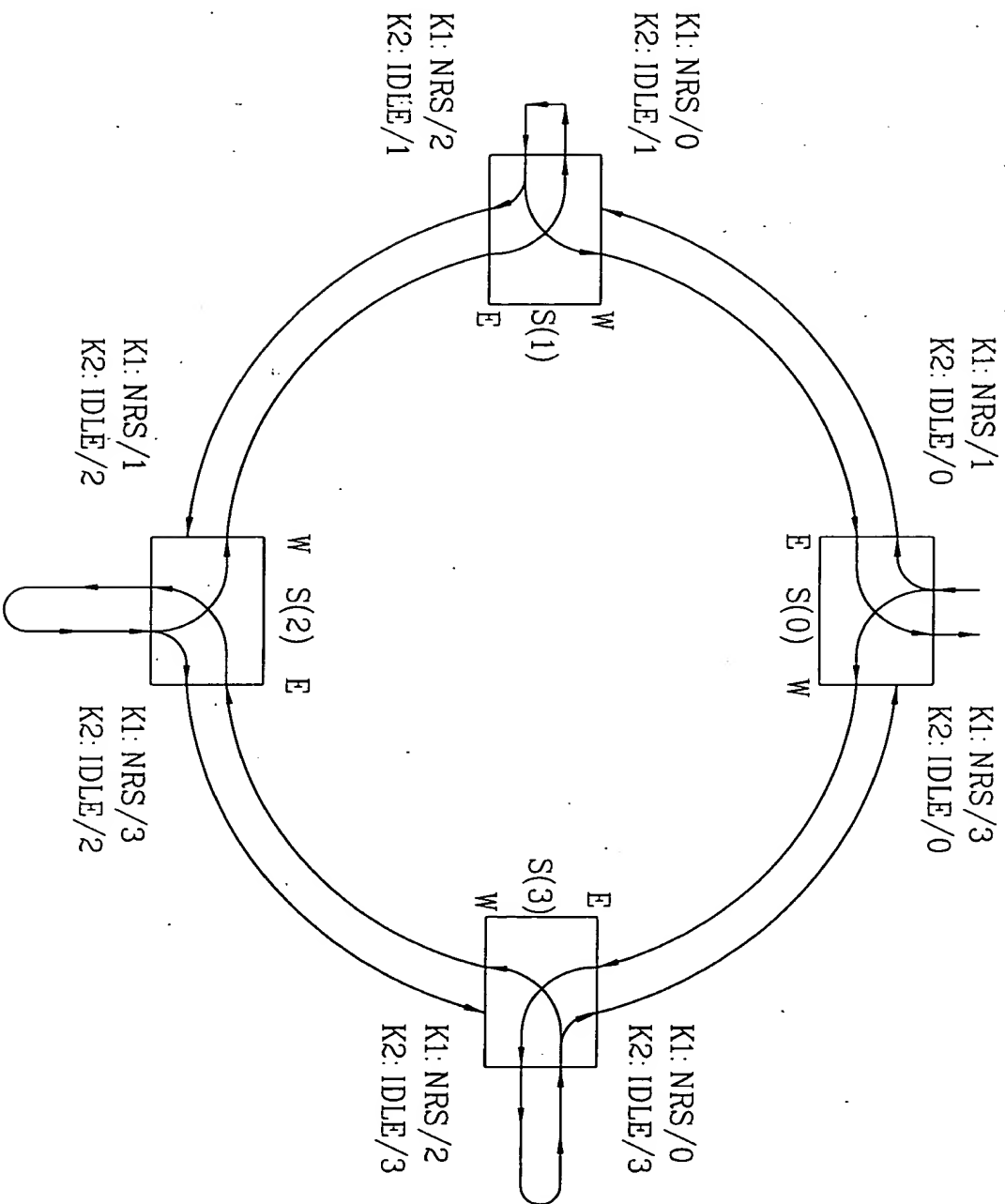


FIG. 8B

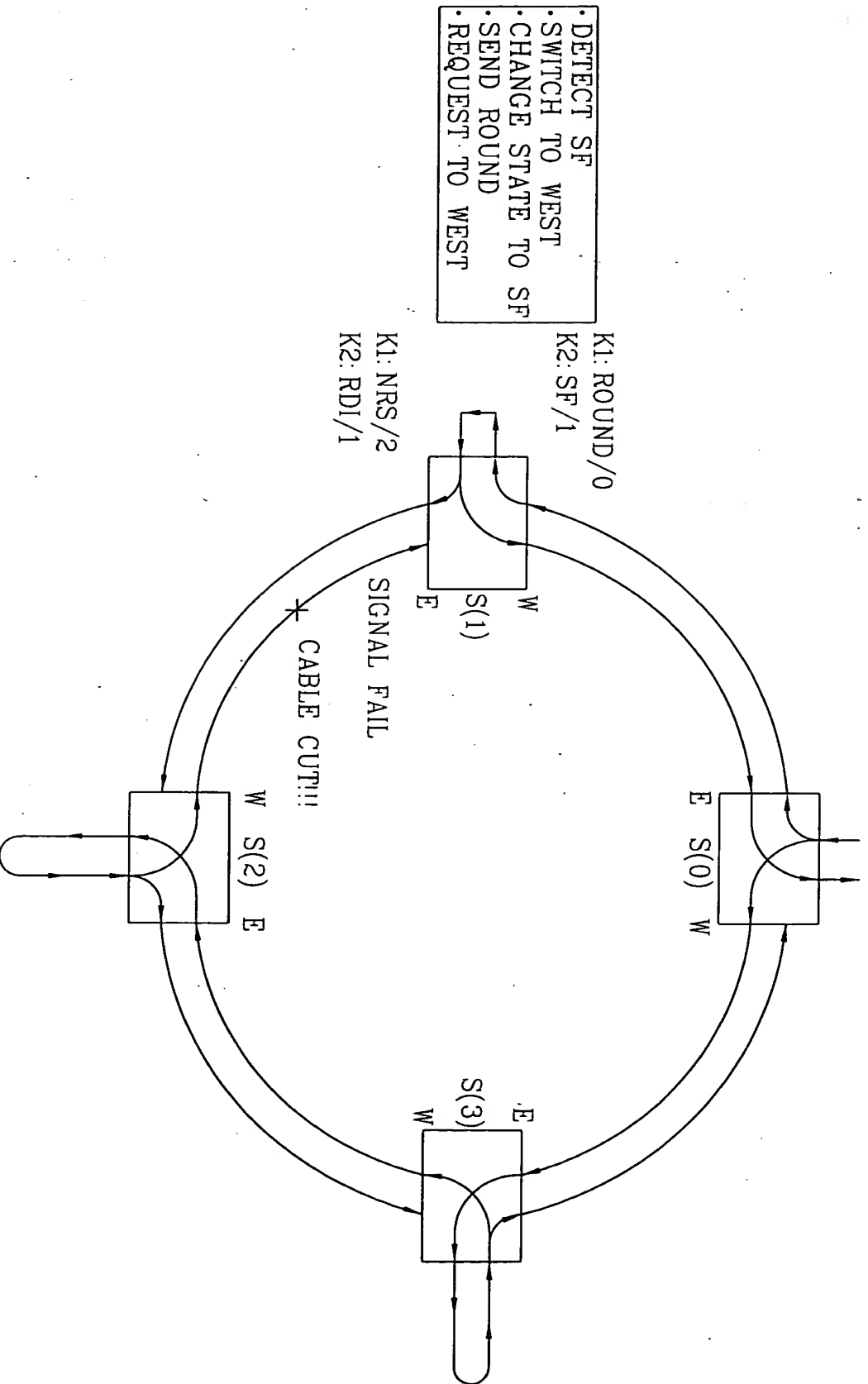


FIG. 8C

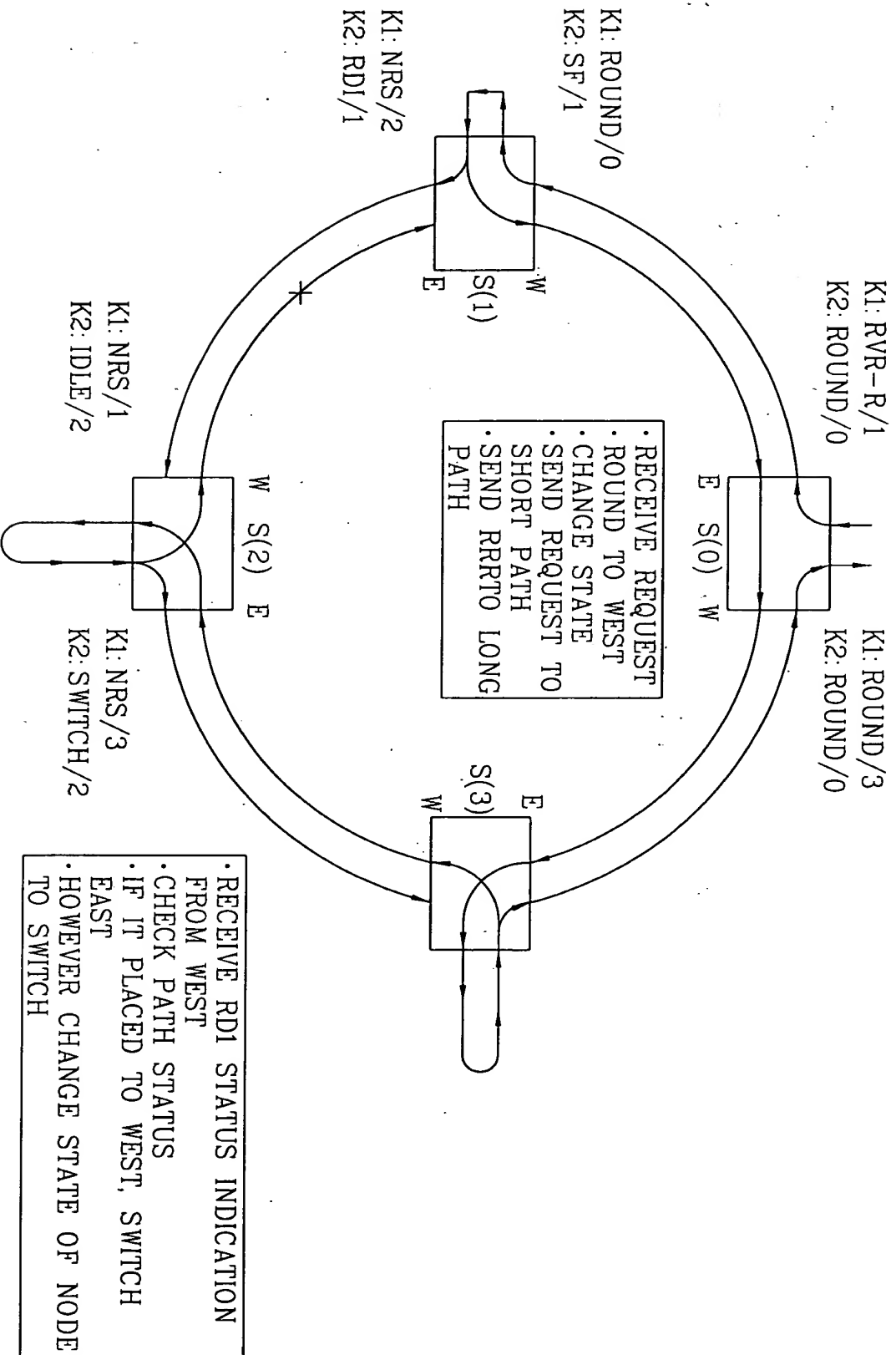


FIG. 8D

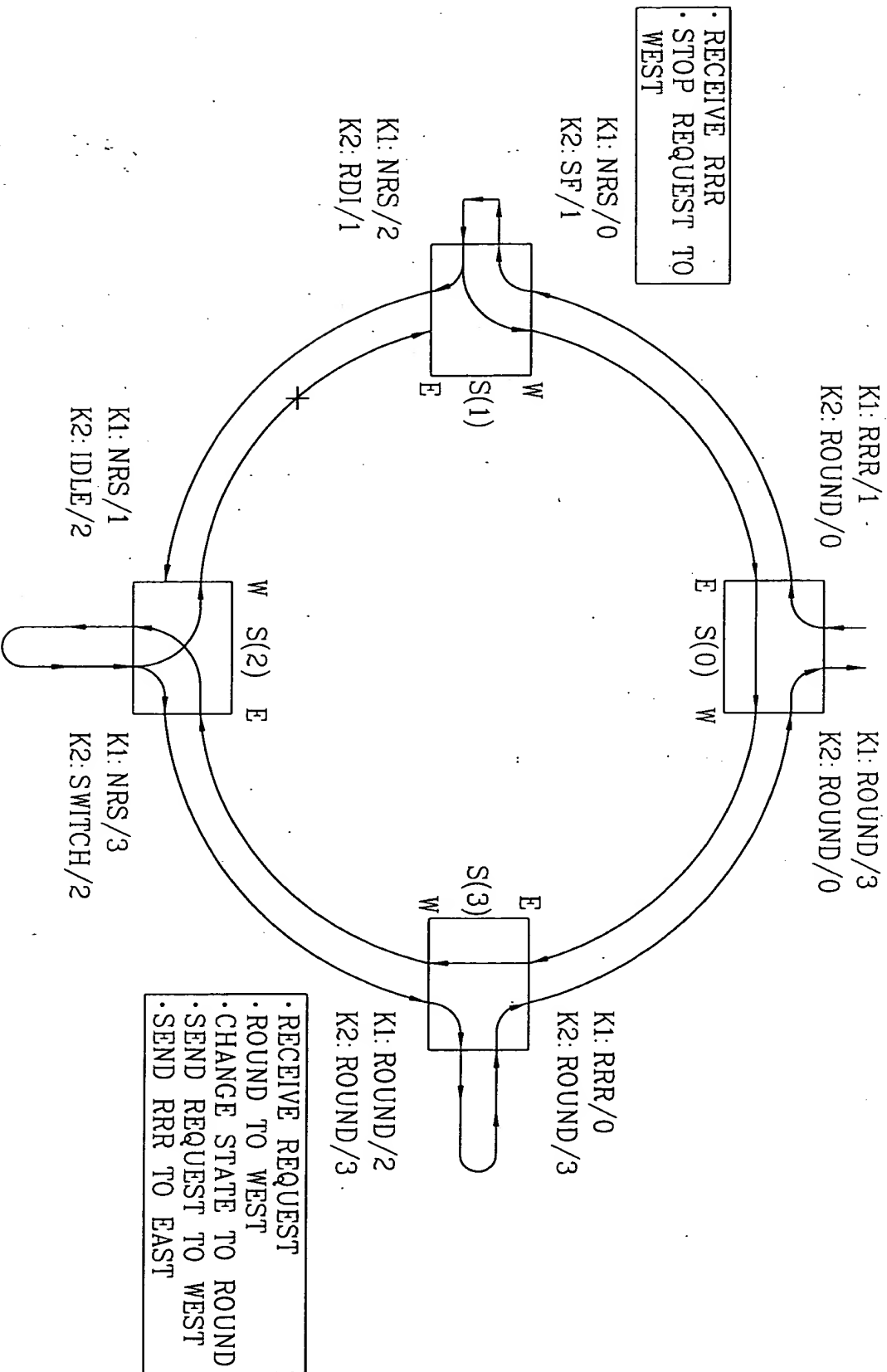


FIG. 8E

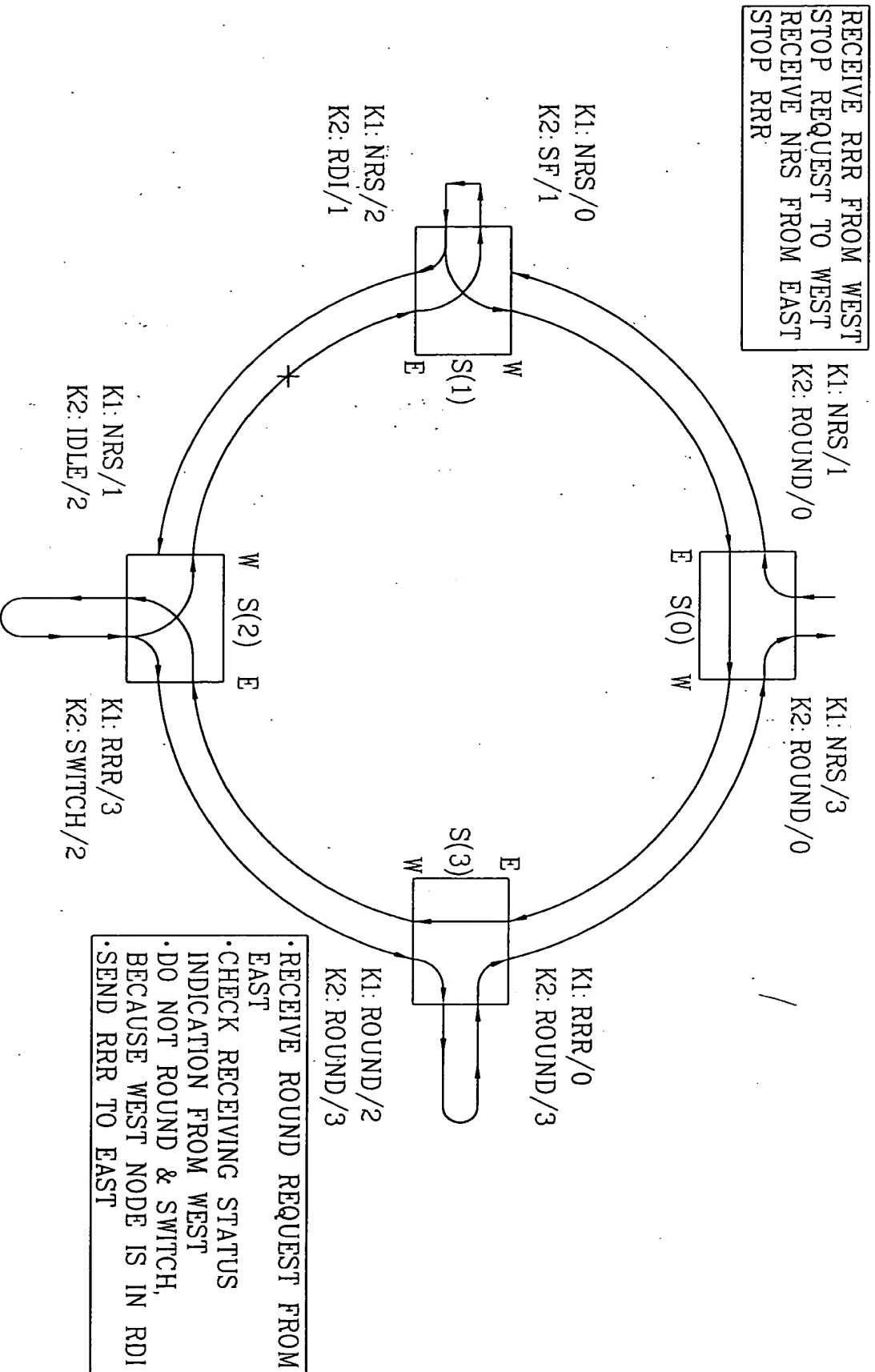
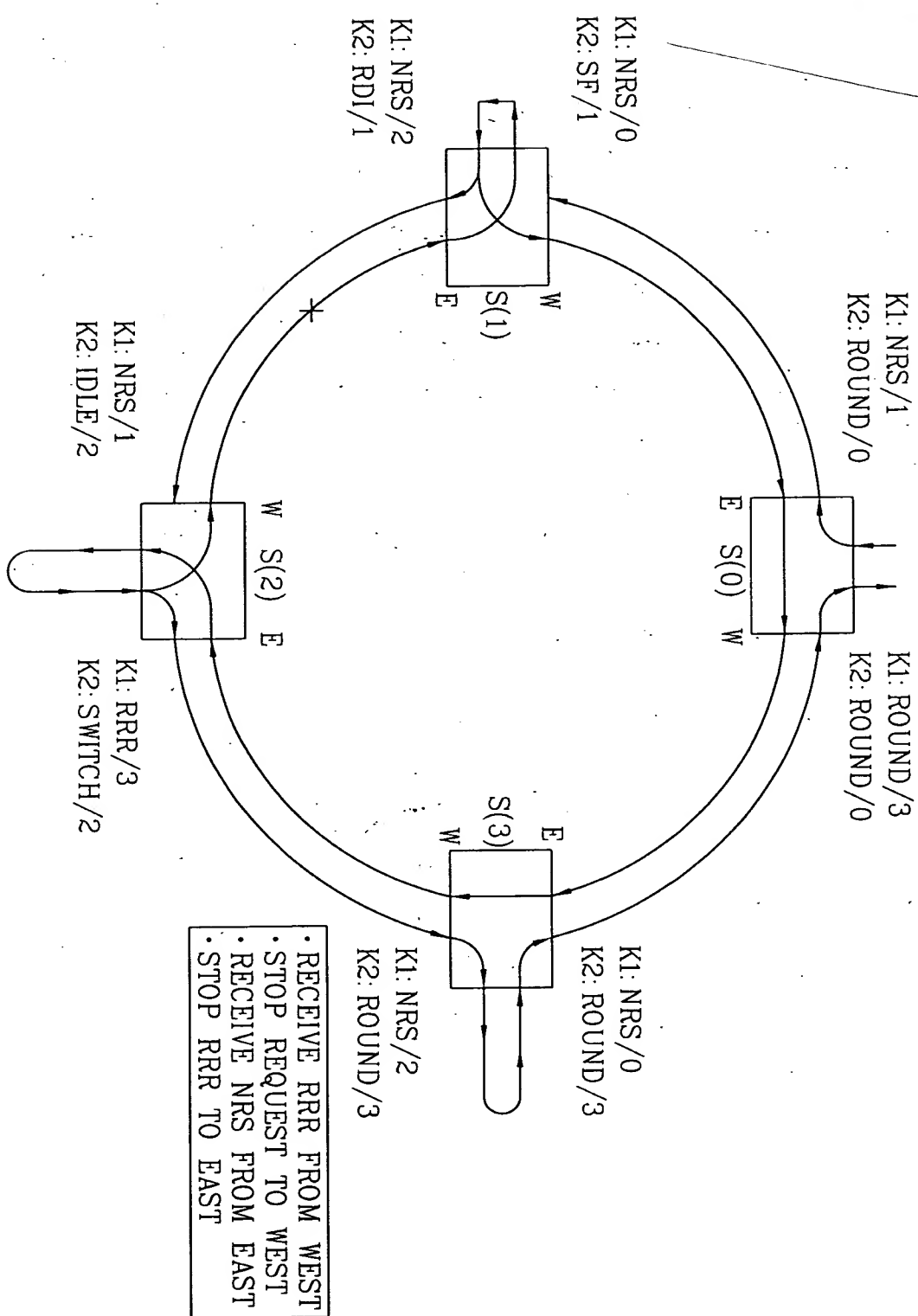




FIG. 8F



# FIG. 9

